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AMSAT NEWS SERVICE
ANS-333

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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ANS-333 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 333
>From AMSAT HQ KENSINGTON, MD.
[MONTH DAY, YEAR]
To All RADIO AMATEURS
BID: $ANS-333

Nov/Dec Edition of AMSAT Journal Sent to Printer

AMSAT Journal editor Joe Kornowski, KB6IGK, reports that the November-December editon of the Journal has been sent to to the printers. Expect delivery mid to late December.

This is Kornowski's first Journal since accepting the Editorial post last October. The atricles are well done and ‘meaty’ with lots of information. The overall appearance looks great. There is much here for every AMSAT member to enjoy.

The line up of articles include:
AMSAT Announcements

Apogee View, Barry Baines, WD4ASW,

Engineering Update, by Jerry Buxton, N0JY

Fox-1 Satellite Telemetry Part 1: On the Satellite by Burns Fisher,

W2BFJ

A Raspberry Pi Net Server/Client for Antenna Rotor by Tom Doyle, W9KE

Dual Band Low Noise Amplifier for 2 Meters and 70 Centimeters, by Jim Kocsis, WA9PYH

ARISS “Out of This World” Update by Frank Bauer, KA3HDO

Close Encounters of the Law Enforcement Kind by Patrick Stoddard, WD9EWK/VA7EWK

On the Grids: Working the United States/Mexico Border by Clayton L. Coleman, W5PFG

[ANS thanks Joseph KB6IGK for the above information]

March 2016 Activation of St. Pierre & Miquelon

Eric, KV1J, will once again be operating from the Island of Miquelon (NA-032, DIFO FP-002, WLOTA 1417, Grid GN17) as FP/KV1J between March 16-29th (2016). Activity will be on 160-10 meters using CW, SSB and RTTY (but primarily SSB and RTTY). He will generally be on the highest frequency band that is open (favoring 12/10m). He will be active in the Russian DX and BARTG RTTY Contests (March 19-20th). Also, look for him to be in the CQWW WPX SSB Contest (March 26-27th) as a Single-Op/All-Band/Assisted entry. QSL via KV1J, direct or by the Bureau. Also eQSL and LoTW. For more details and updates, check out his Web page at:
http://www.kv1j.com/fp/Mar16.html

PLEASE NOTE:
Eric mentions, "I will also be on the analog Satellites when the WX is good enough to operate from outside."

[ANS thanks Ohio/Penn DX Bulletin No. 1241 for the above information]

2016 High-Altitude Student Platform Opportunity

The Louisiana Space Grant Consortium, or LaSPACE, is accepting applications from students at U.S. colleges and universities who want to send experiments to the edge of space on a high-flying scientific balloon.

The annual project, supported by the NASA Balloon Program Office and LaSPACE, provides near-space access for 12 undergraduate and graduate student experiments to be carried by a NASA high-altitude research balloon. The flights typically last 15 to 20 hours and reach an altitude of 23 miles.
Experiments may include compact satellites or prototypes.

The experiments are flown aboard the High-Altitude Student Platform, or HASP, a balloon-born instrument stack launched from the Columbia Scientific Balloon Facility's remote site in Fort Sumner, New Mexico. The goals of the project are to provide a space test platform to encourage student researchand stimulate the development of student

satellite payloads and other space-engineering products.

HASP seeks to enhance the technical skills and research abilities of students in critical science, technology, engineering and mathematics disciplines.

The deadline for applications is Dec. 18, 2015.

For application information and technical details about the program, visit
http://laspace.lsu.edu/hasp.

Questions about the High-Altitude Student Platform opportunity should be directed to T. Gregory Guzik at
guzik (at) phunds.phys.lsu.edu.

[ANS thanks NASA Education Express Message -- Nov. 25, 2015 for the above information]

ARISS Commemorative Events in the Planning

Over the next couple months, ARISS will be celebrating its 15th anniversary of continuous operations on the ISS. On November 13, 2000 the crew conducted their first ham radio contacts on ISS and on December 21, 2000 ARISS conducted their first school contact with the Burbank School in Burbank, Illinois.

An SSTV commemoration of these historic events is tentatively planned for mid to late December. It is possible that the transmission mode will be P120 instead of the P180 mode used in the past. This would allow for more pictures to be transmitted per pass.

Because preparations are not final it is suggested that you stay tuned to the AMSAT-BB and the AMSAT and ARISS web site for the latest information on this event and others that ARISS plans to conduct over the next few months

[ANS thanks ARISS for the above information]

S7 Sao Tome and Principe Dxpedition Includes LEO Satellites

S7, SAO TOME AND PRINCIPE. Operators Lee/WW2DX, Ray/W2RE and Pat/N2IEN will be active as S9TM from Praia between November 28th and December 1st.

The team is planning on taking a WRTC tri-band yagi for 10/15/20 as well as a OCF for the lower bands. They will have an Expert 1.3K amp with them for that station. The second station will be K3/KPA500 that will be used on the 30/17/12m bands. A third station will be setup for LEO satellites and they are going to attempt 2m EME, but this is new territory for this group so don't set expectations too high. They will be posting to Twitter
https://twitter.com/@ww2dx>
and possible live streaming using periscope.

QSL via LoTW and paper cards to NR6M.

[ANS thanks Ohio/Penn DX Bulletin No. 1242 for the above information]

ARISS News

+ A Successful contact was made between Scuola Media Statale “G. Marconi”, Soleto, Lecce, Italy and Astronaut Kimiya Yui KG5BPH using Callsign NA1SS. The contact began 2015-11-23 09:21 UTC and lasted about nine and a half minutes. Contact was telebridged via VK4KHZ. ARISS Mentor was IKØWGF.

Upcoming ARISS Contact Schedule as of 2015-11-26 01:00 UTC

Quick list of scheduled contacts and events:

Dragonskolan, Umeå, Sweden, telebridge via VE4ISS
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Kjell Lindgren KO5MOS
Contact was not successful: Wed 2015-11-25 09:44:25 UTC 78 deg
ARISS is working to determine what happened.

Nanasawa Kibounooka Elementary School, Atsugi, Japan, direct via 8N1NKSG
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Kimiya Yui KG5BPH
Contact is a go for: Wed 2015-12-02 09:33:51 UTC 61 deg

Yayoi Elementary School, Yatomi, Japan, direct via 8N2YAYOI
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Kimiya Yui KG5BPH
Contact is a go for: Fri 2015-12-04 09:25:46 UTC 57 deg

Ingushetia, Russia, direct via TBD
The ISS callsign is presently scheduled to be RSØISS
The scheduled astronaut is Sergey Volkov RU3DIS
Contact is a go for: Sat 2015-12-05 16:25 UTC

>From 2015-12-20 to 2016-01-04, there will be no US Operational Segment (USOS) hams on board ISS. So any schools contacts during this period will be conducted by the ARISS Russia team.

Stay tuned to the AMSAT-BB, The AMSAT website {www.asmat.org) and the ARISS website (www.ariss.org) for information on ARISS commemorative events celebrating 15 years of Amateur Radio on the ISS.

[ANS thanks ARISS, Charlie AJ9N and David AA4KN for the above information]

Satellite Shorts From All Over

Eduardo Erlemann PY2RN published a Panoramic view of AO-7 transponder, using FCDP+ for RX and TS-2000 for TX. Although he was late on he bird after 1/2 pass that started at 18:40 UTC, forgot to swap SDR# IQ in the first moment.
Max elevation was 64deg TX power 5 Watts all the time and RHCP most of the time. About 2 min before end of recording it is possible to hear what he believes is a CU station calling.

Find the recording at:
https://www.youtube.com/watch?v=jCq0WaEZ9g8&feature=youtu.be

[ANS thank Eduardo PY2RN for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,
This week's ANS Editor,
EMike McCardel, KC8YLD
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